

REMARKS

In response to the Office Action mailed June 4, 2003, Applicant submits the present response and amendments and request reconsideration of the present case.

Figures 2 and 5 are enclosed herein and have proposed amendments marked in red. Claims 1 and 40-79 are cancelled without prejudice or disclaimer. Claims 1-39 are pending and claims 2, 6-21, 23-25, 28, 31 and 35 have been amended.

The Examiner has objected to the drawings because reference character "140" had been utilized to designate more than one element. In the proposed amendments to Figures 2 and 5, this multiple utilization has been corrected. In Figure 2, proposed incident beam "141" is provided. In Figure 5, Applicant proposes deletion of "140" reference to a top portion of mirror and amending reference "140" to electromagnets to read "143". Concordant amendments to the specification in paragraphs 23 and 29 are provided in the "Amendments to the Specification" portion of this response and thus obviate the Examiner's additional objection to the specification. Thus the objections are overcome by the present amendments and Applicant respectfully requests that the Examiner withdraw these rejections

The Examiner has rejected claims 15 and 17 under 35 U.S.C. 112, first paragraph, and asserts that the invention is not described in such full, clear and concise terms as to enable one of ordinary skill in the art in which it pertains to make and/or use the invention. Applicants' respectfully traverse this rejection.

Applicant has amended the specification to recite the hardness of the sapphire pin in paragraph 29 and the sputtered winding core of claim 29 in paragraph 35. No new matter has been added, as these disclosures were part of the application-as-filed (in the claims). Thus, the 35 U.S.C. 112, first paragraph rejections have been overcome and Applicant respectfully requests that the Examiner withdraw these 35 U.S.C. 112 first paragraph rejections.

The Examiner has rejected claims 1, 6-8 and 12 under 35 U.S.C. 102(b) as being anticipated by CMS Mikrosysteme GmbH (DE 29,902,348 U1 translation. The examiner has also rejected claims 1, 9-11, 13, 14, 16, 17, 19-21, 23, 25, 28-30, 33 and 34 under 35 U.S.C. 102(b) as being anticipated by Lakerveld et al. (U. S. Patent No. 4,073,567). Claims, 18, 24, 26 and 32 are also rejected under 35 U.S.C. 103(b) as being unpatentable over Lakerveld et al. (U.

S. Patent No. 4,073,567). Claimed 22 is rejected under 35 U.S.C. 103 (b) as being unpatentable over Lakerveld et al. (U. S. Patent No. 4,073,567) in view of Solgarrrd et al.(U.S. 6,097,059). Applicants respectfully assert that all U.S.C. 102 and 103 rejections are moot, in light of the amendments provided herein.

More particularly, the Examiner has stated that claims 2-5, 31 and 35 would be allowable if rewritten in independent form, including all of the limitations of the base claim and any intervening claims. Accordingly, claims 2, 31 and 35 have been amended to read as independent claims and include all limitations of their base claims in intervening claims. Furthermore and in light of such amendments, all claims dependent therefrom are also accordingly allowable. Therefore, Applicants respectfully request that the Examiner withdraw all U.S.C. 102 and 103 rejections and allow to pass to issuance allowable claims 2-39.

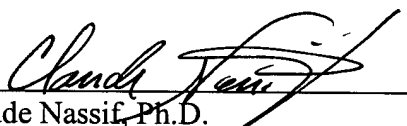
CONCLUSION

In view of the above discussion and amendments to the claims and figures, it is submitted that this application is now in good order for allowance, and such early action is respectfully solicited. Should matters remain which the Examiner believes could be resolved in a telephone interview, the Examiner is requested to telephone the Applicant's undersigned agent.

The Commissioner is hereby authorized to charge any required fee in connection with the submission of this paper, or to credit any overpayment to Deposit Account No. 50-2638.

Respectfully submitted,

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FIG. 1

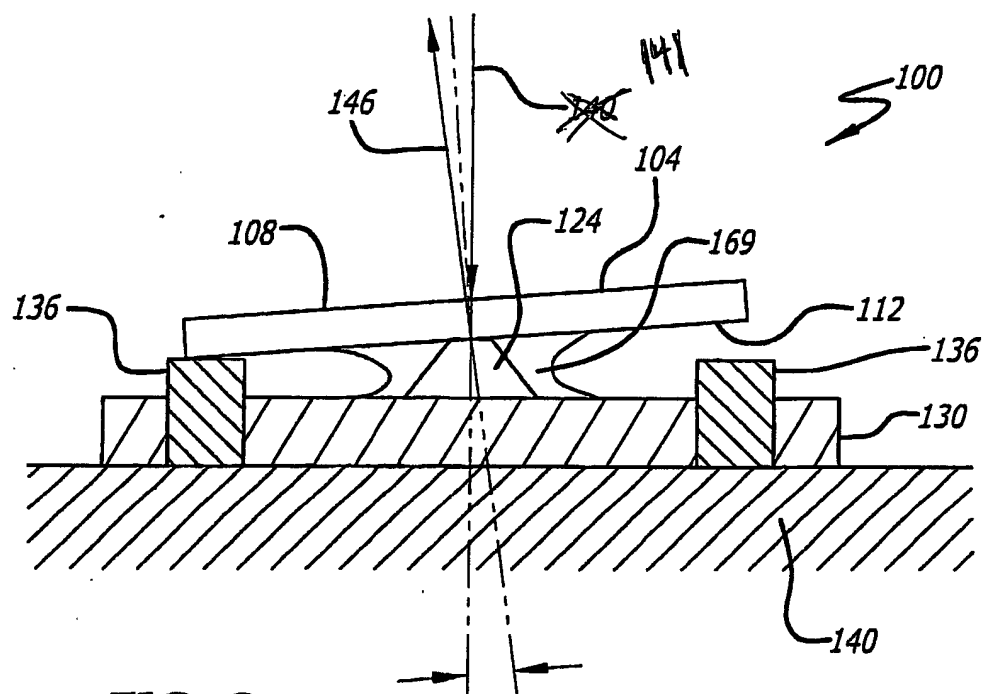
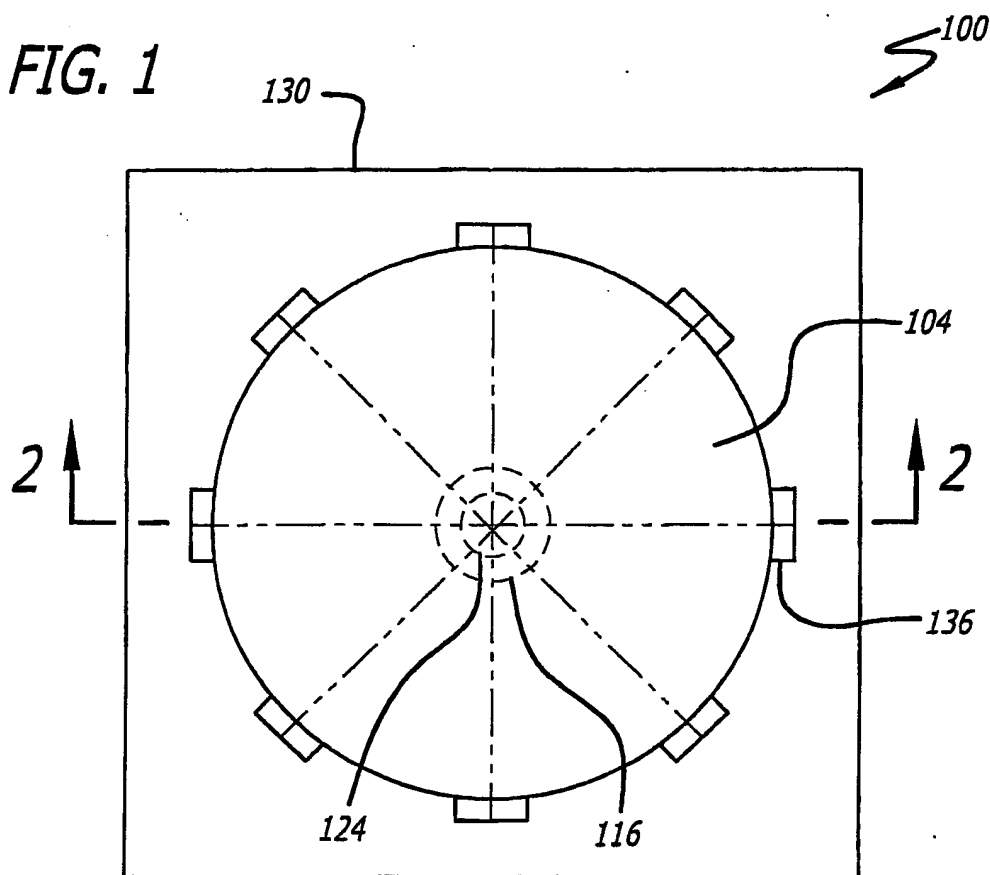


FIG. 2

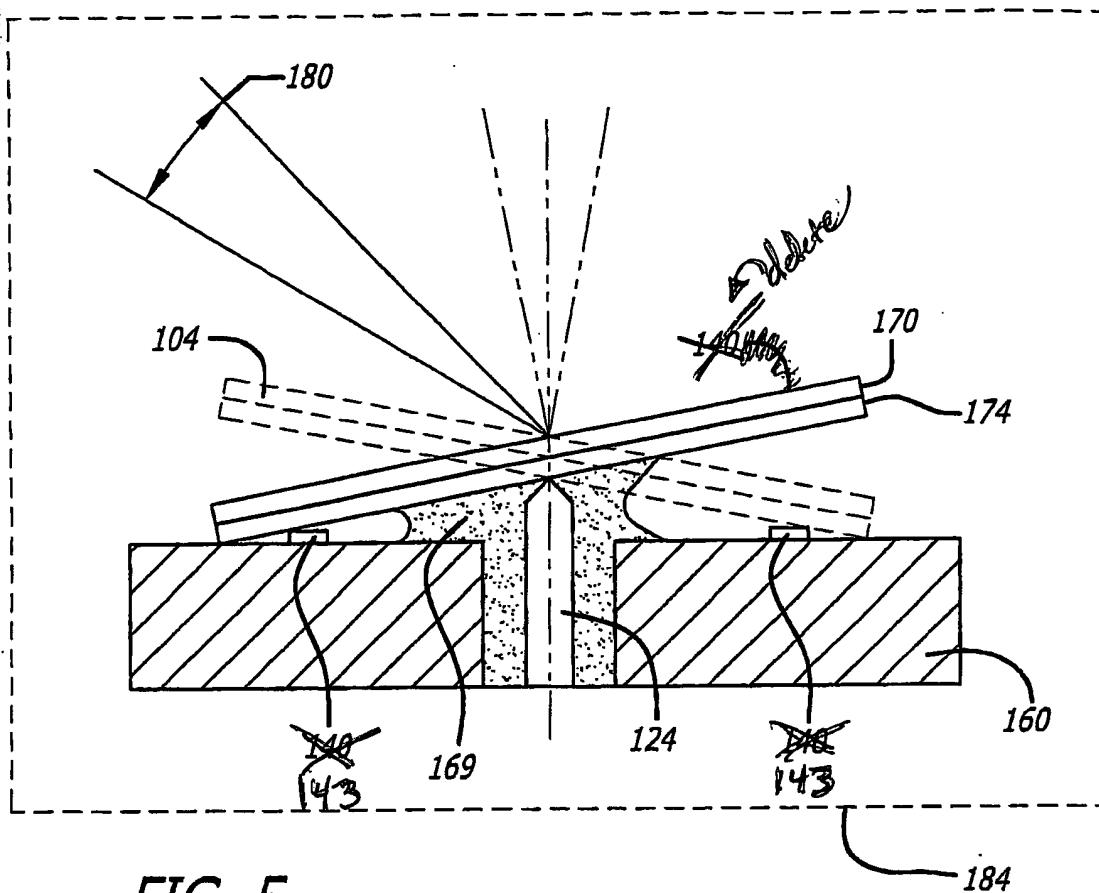


FIG. 5

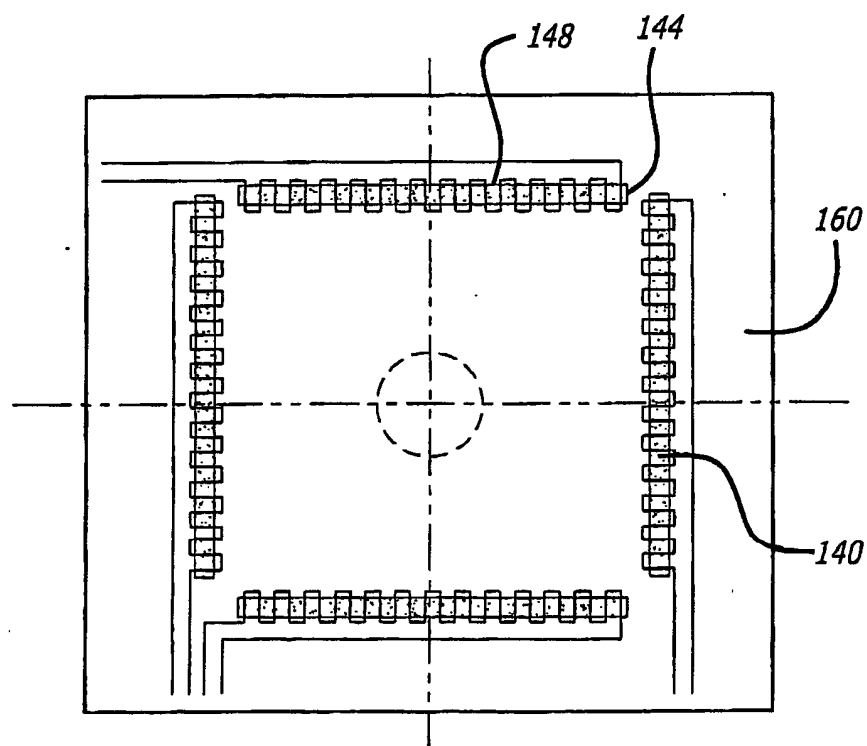


FIG. 6